

## EAST Search History

| Ref # | Hits | Search Query                                       | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S44   | 4    | S43 and (gas\$3 adj hydrocarbon)                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2008/11/26<br>10:34 |
| S43   | 1533 | carbon with doped with titani\$2                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2008/11/26<br>10:34 |
| S45   | 1610 | carbon with (doped or dopant) with titani\$2       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2008/11/26<br>10:41 |
| S46   | 4    | S45 and (gas\$3 adj hydrocarbon)                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2008/11/26<br>10:42 |
| S47   | 2    | ("6306343").PN.                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2008/11/26<br>10:43 |
| S48   | 91   | carbon\$1doped with (layer or film) with titani\$2 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2008/11/26<br>10:44 |

|     |      |  |   |    |    |                     |
|-----|------|--|---|----|----|---------------------|
| S49 | 11   | S48 and (surface with (flame or combustion or heat\$1treat\$4))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/11/26<br>10:45 |
| S51 | 1385 | S50 and (titanium with (alloy\$3 or oxid\$2))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/11/26<br>10:53 |
| S50 | 1610 | titani\$2 with (doped or dopant) with carbon   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/11/26<br>10:53 |
| S53 | 16   | S52 and (surface with (flame or combustion or heat\$1treat\$4))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/11/26<br>10:54 |
| S52 | 694  | S51 and (titanium same alloy\$3 same (aluminum or iron or molybdenum or vanadium or tin or silicon or zirconium or niobium or chromium)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/11/26<br>10:54 |
| S54 | 86   | carbon\$1dop\$3 with titani\$2 with layer  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:20 |
| S56 | 12   | S54 and (combustion adj (flame or gas\$2))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:25 |
| S55 | 12   | S54 and "combustion flame"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:25 |

|     |      |  |   |    |     |                     |
|-----|------|--|---|----|-----|---------------------|
| S61 | 0    | S59 and S60  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:30 |
| S60 | 1617 | titani\$2 with (doped or dopant) with carbon           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:30 |
| S59 | 81   | S58 and (titanium with (alloy\$3 or oxid\$2))          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:30 |
| S58 | 269  | S57 and (combustion adj (flame or gas\$2))             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:30 |
| S57 | 3681 | (427/446,453,455,255.36,539,255.4,249.17,249.19).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/12/02<br>10:30 |
| S65 | 4    | S57 and S60  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:31 |
| S64 | 0    | (carbon\$1dop\$3 with titani\$2) and S57               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:31 |
| S63 | 0    | (carbon\$1dop\$3 with titani\$2) and S58               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:31 |

|     |       |   |   |    |    |                     |
|-----|-------|---|---|----|----|---------------------|
| S62 | 0     | S58 and S60                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:31 |
| S67 | 0     | S66 and S60                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:33 |
| S66 | 269   | S57 and (combustion adj (flame or gas\$2))        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:33 |
| S69 | 246   | S68 and (combustion adj (flame or gas\$2))        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:34 |
| S68 | 23639 | substrate with titani\$2 with (alloy or oxide)    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:34 |
| S70 | 24    | S69 and ((doped or dopant or doping) with carbon) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:35 |
| S73 | 4     | S68 and S71                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:42 |
| S72 | 0     | S54 and S71                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/12/02<br>10:42 |

|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
| S71 | 286 | (427/223).CCLS.                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/12/02<br>10:42 |
| S74 | 6   | S71 and (substrate with titani\$2)         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:44 |
| S76 | 14  | S75 and (combustion adj (flame or gas\$2)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:49 |
| S75 | 136 | carbon\$1dop\$3 with titani\$2             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2008/12/02<br>10:49 |

12/7/08 6:50:09 PM

C:\Documents and Settings\LHailey\My Documents\EAST\workspaces\574348.wsp